

CLAIM AMENDMENTS

1-9. (Cancelled)

10. (currently amended) A device for collecting data in the form of images in association with a host computer, said device comprising:

A a circuit card, which can be fittedconstructed to be received in to a card slot of a said host device computer, said image data for use by said host computer for personal communication, data collection, and data processing, and said circuit card further comprising:

optics built in said circuit card for obtaining image information;

an image sensor in said circuit card for obtaining image information;

an image processing-unit processor in said circuit card;

a memory unit in said image processing-unit processor for storing obtained image information; and

a processor unit in said image processing-unit processor for processing obtained image information.

11. (currently amended) A circuit card The device e according to claim 10, wherein said memory unit comprises at least volatile and non-volatile memory.

12. (currently amended) ~~A circuit card~~ The device according to claim 10, further comprising a power supply for providing power to maintain said obtained image information in said memory unit.

13. (currently amended) ~~A circuit card~~ The device according to claim 10, wherein said image sensor is a semiconductor camera.

14. (currently amended) ~~A circuit card~~ The device according to claim 10, further adapted to fit into a card slot of a device ~~the host computer~~ for personal communication, data collection and data processing that is a PCMCIA compatible card slot.

15. (currently amended) ~~A circuit card~~ The device according to claim 10, wherein said circuit card has physical dimensions corresponding substantially with those of a standard PCMCIA circuit card.

16. (currently amended) ~~A circuit card~~ The device according to claim 10, further comprising means for performing a character recognition task on image information obtained by said image sensor for generating a set of recognized characters.

17. (currently amended) ~~A circuit card~~ The device according to claim 16, wherein said means for performing a character recognition task comprises a software program stored in the memory unit of the circuit card.

18. (currently amended) ~~A circuit card~~ The device according to claim 10, further comprising means for performing a pattern recognition task on a graphical object in said image information obtained by said image sensor.

19. (currently amended) A-circuit-card The device according to claim 18, wherein said means for performing a pattern recognition task comprises a software program stored in the memory unit of the circuit card.

20. (currently amended) A-circuit-card The device according to claim 10, further comprising an output coupled to said image processing means for outputting image information obtained by said image sensor to said device-for-personal-communication, data-collection, and data-processing host computer.

21. (canceled)

22. (currently amended) A-circuit-card The device according to claim 21 claim 10, further comprising character recognition means for performing a character recognition task on image information obtained by said image sensor means and generating a set of recognized characters.

23. (currently amended) A-circuit-card The device according to claim 22, wherein said character recognition means comprises a software program stored in said memory means unit.

24. (currently amended) A-circuit-card The device according to claim 21 claim 10, further comprising pattern recognition means for performing a pattern recognition task on graphical information in said image information obtained by said image sensor.

25. (currently amended) A-circuit card The device according to claim 24, wherein said pattern recognition means comprises a software program stored in said memory means unit.

26. (currently amended) A-circuit card The device according to claim 21 claim 10, further comprising an output coupled to said image processing-unit processor for outputting image information obtained by said image sensor means to said device for personal communication, data collection, and data processing host computer.